

Overview

The Component Video Balun allows a single component video signal (Y, Pb, or Pr) to be transmitted via cost-effective unshielded twisted pair (UTP) cable. Three (3) balun pairs are required for one point-to-point component video (YPbPr) connection.

The product allows three coaxial cables to be replaced by one Category 5 twisted pair cable allowing standard structured cabling techniques to be used for neater and more streamlined cabling.

The Component Video Balun is compact enough to allow three (3) units to be connected side by side on the back of the component video equipment.

Benefits

Cost savings - eliminate costly coaxial cable
Quicker moves, adds and changes
Neater wiring



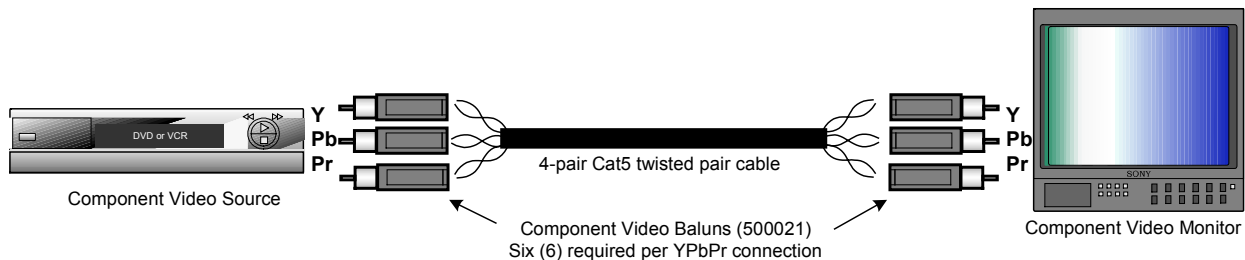
Features

Supports one component of the YPbPr video signal up to 1,000 ft (305m) via Cat 5 UTP.
Three (3) balun pairs required per YPbPr connection.
Also supports composite video (NTSC,PAL,SECAM) up to 2,200 ft (670m)
Gold-plated connector
Cable strain relief
Compact design
Lifetime warranty

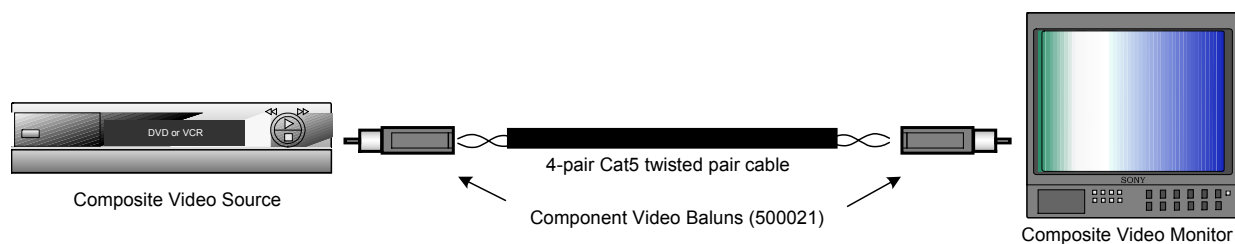
Specifications	
Environment	Component (YPbPr) video (480i, 480p). Composite video (NTSC, PAL, SECAM).
Devices	DVD, VCR, TV, satellite receivers, monitors, switchers, home theatre and other equipment supporting component video.
Transmission	Transparent to the user.
Bandwidth	Video: DC to 8 MHz.
Maximum Input	1.1Vp-p
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 8 MHz
Return Loss	Greater than 15 dB over the frequency range from DC to 8 MHz
Common Mode Rejection	Greater than 60 dB @ 8 MHz
Max. Distance Colour – Cat 5 UTP	Component (YPbPr): 1,000 ft (305m). 480i/p only. Composite: 2200 ft (670m)
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Cable – BNC	Impedance: 75 ohms at 1 MHz
Connectors	One (1) gold-plated RCA connector
Reverse polarity sensitive	Two (2) screw terminals for twisted pair
Impedance	Input: 75 ohms unbalanced (RCA connector) Output: 100 ohms balanced UTP (screw terminals)
Temperature	Operating: 0° to 55°C. Storage:-20° to 85°C. Humidity: up to 95%
Enclosure	ABS fire retardant plastic
Dimensions	2.30" x 0.62 x 0.62 (5.8 x 1.6 x 1.6 cm)
Weight	1.5 oz (42.5gm)
Regulatory	FCC, CE. US Design patent # D495,320
Warranty	Lifetime
Order Information	500021 Component Video Balun

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Typical Application A – Component Video (YPbPr) Connection



Typical Application B – Composite Video (NTSC, PAL, SECAM) Connection



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